

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

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AFTER REPAIR INSPECTION CERTIFICATE OF 6 3/4" DRILL COLLAR

Client Name:	DAQING DRILLING COMPANY	Report No.:	QC-ATS-WSH-01-24-0020-DC01
Acceptance Criteria:	<input checked="" type="checkbox"/> API SPEC 7-2	Date Of Inspection:	23-01-2024
Work Location:	ABERDEEN WORKSHOP	Rig Name	DQ-37
Test Equipment & Consumeable Details			
WHITE CONTRAST WCP-2	Batch #: 220602 Manufacture: Magnaflux Exp Date: JUN,2025	TECHNICAL DETAILS	Wet Visible Continuous
BLACK INK 7HF	Batch#: 220605 Manufacture: Magnaflux Exp Date: JULY.2025	COIL(1200 AMP-TURNS/IN	RC2-060120151 Cal. 21.FEB.2023 Cal Due 20.AUG.2023
FLUORESCENT 14HF	Batch #: 220306 Manufacture: Magnaflux Exp Date: March.2025	A.C HAND YOKE	21332 Cal 21.FEB.2023 Cal Due 20.AUG.2023
INTENSITY METER	SR#1608000134 Cal.21.FEB.2023 Cal Due 20.AUG.2023	UV BLACK LIGHT	SR#52852 Cal. 21.FEB.2023 Cal Due 20. AUG.2023
LEAD GAGE	SR#AH07KF0027 GAEMAKER LG-5003 CAL.Date. 19.FEB.2023 CAL Due Date 18.AUG.2023	THREAD PROFILE GAGE	SR#21336 CAL.Date.19. FEB. 2023 CAL Due Date.18. AUG. 2023 SR#21335 CAL.Date.21. FEB.2023 CAL Due Date. 20.AUG.2023
Magnetic Partical Concentration 7 HF	1.2 TO 2.4 ML/100 ML	WMPT Light Intensity	1350 Lux
Magnetic particle concentration flourcent 14 HF	0.1 TO 0.4 ML/100 ML	UV LIGHT INTENSITY:	2850 μw/cm ²
Magnetism Direction (Longitudinal)			
METHODOLOGY:	<ul style="list-style-type: none"> Through Visual inspection Dimensional 3 		<ul style="list-style-type: none"> MPI inspection with Ultraviolet light *Lead Gaiging, Taper Gauging & Thread Profile Gauging.
Connection:	NC-50 (4 1/2 IF)	Size:	6 3/4"

Serial No.	Visual Inspection			MPI			Dimensional 3 Inspection																
	Pin	Box	Body	Pin	Box	Body	Pin					Box					Body						
							OD (in)	ID (in)	SRG \square (in)	SRG \square (in)	Pin \square (in)	Bevel \square (in)	OD (in)	CB \square (in)	CB \square (in)	BB \square (in)	BB \square (in)	Bevel \square (in)	Pin Tong \square (in)	Box Tong \square (in)	EGR \square (in)	SGR \square (in)	Overall \square (in)
37-14	-	Acc	-	-	Acc	-	-	-	-	-	-	-	6 3/4"	5 5/16"	5/8"	4 5/8"	8 3/16"	6 5/16"	-	15 7/8"	-	-	-

Conclusion: ■ (01) The above Mentioned 6 3/4" Drill Collar was found "Acceptable" from Box Connection After Repair at time of Inspection ready to use.

Abbreviations

OD Outside Diameter	ID Inside Diameter	SRG Stress Relief Groove	CB Counter Bore	BB Bore Back	FB Float Bore
\square Diameter	\square Length	\square Width	\square Depth	NP. Not Present	NA. Not Applicable
EGR Elevator Groove Recess	SGR Slip Groove Recess	CR Crack	B Bent	PC Premium Class	RF Reface
GT Galled Thread	TP Thread Pitting	SP Seal Pitting	TD Thread Damage	SD Seal Damage	M Mashed
1 100 % Coating	2 99-71 % Coating	3 70-40 % Coating	4 Up to 40 %	5 Nil	WT Wall Thickness
Colors Code:	White No Defects	Red Crack or Extreme	Blue Damage	Green Seal Damage	Yellow ACFM

Inspector Name:		Review By				
Qualification:		Senior Inspector:	RAO SOHAIL	Supervisor:	WAQAS AWAN	Customer Name:
Signature:						Customer Signature:
Original - Client Files		Copy - Area Office		QC/FN/AF,REP/026 Rev.00 Dated 07 NOV 2021		

